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# Comparative Hybridization Analysis of Gene Expression (CHANGE)

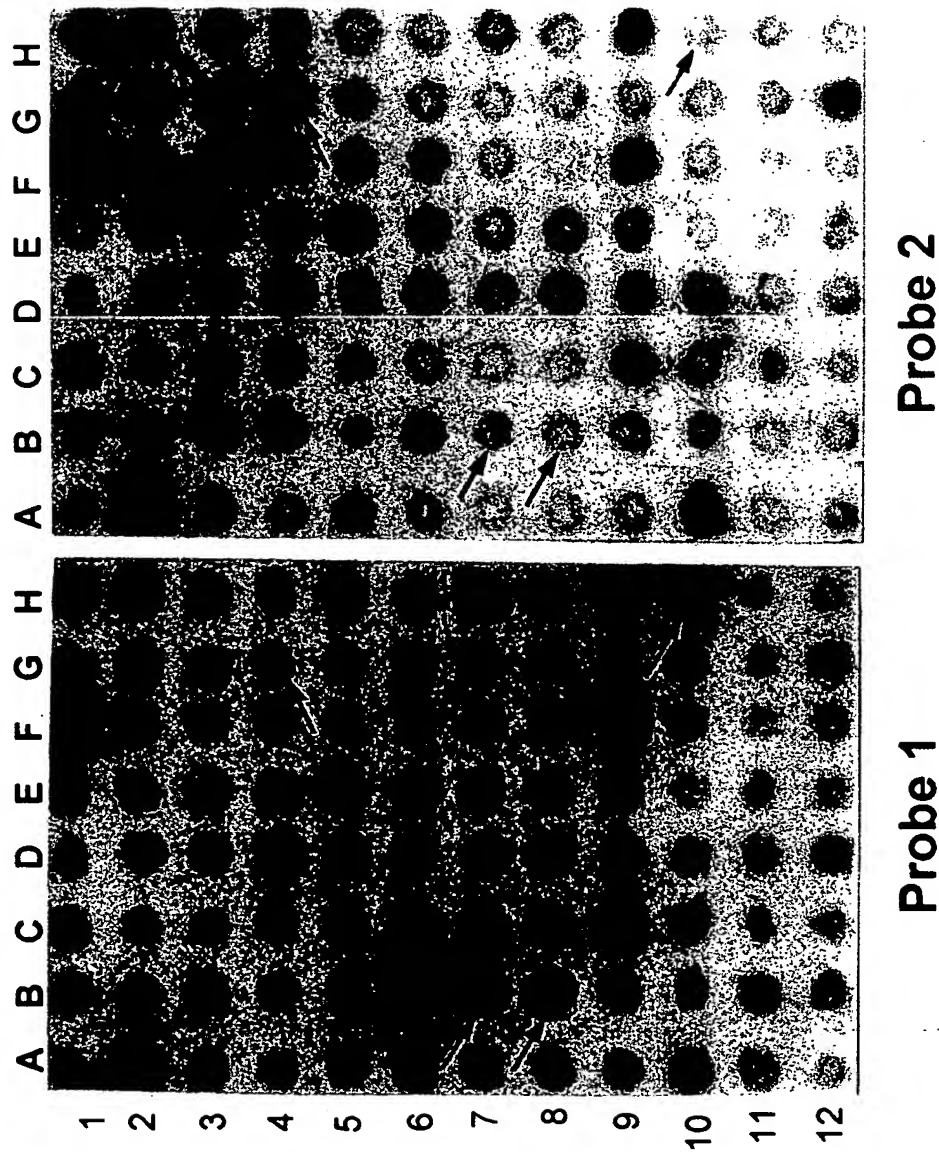
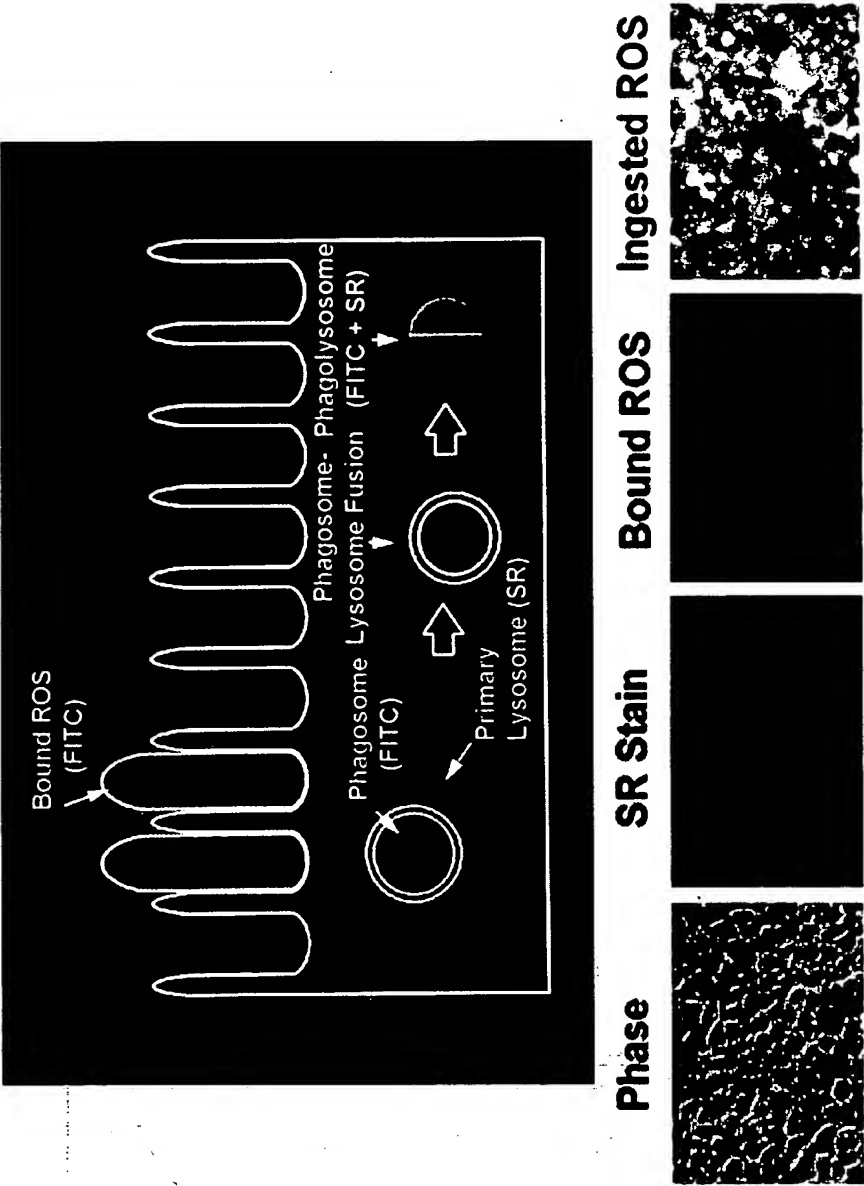


Fig. 1

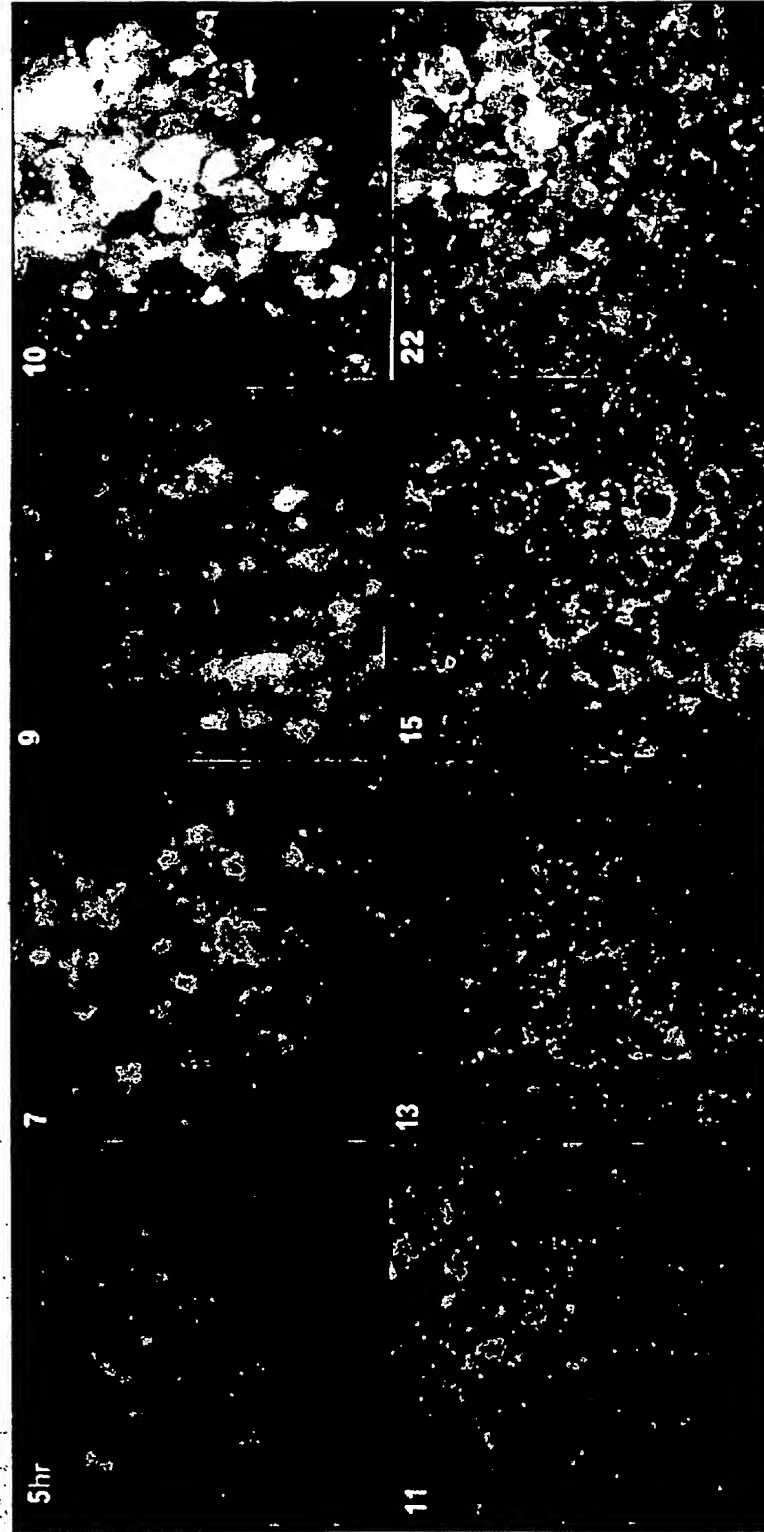
# Living Assay of ROS Phagocytosis by BPEI-1 RPE Cell Line



Images of Living BPEI-1 RPE Cells During Phagocytosis Assay

Fig. 2

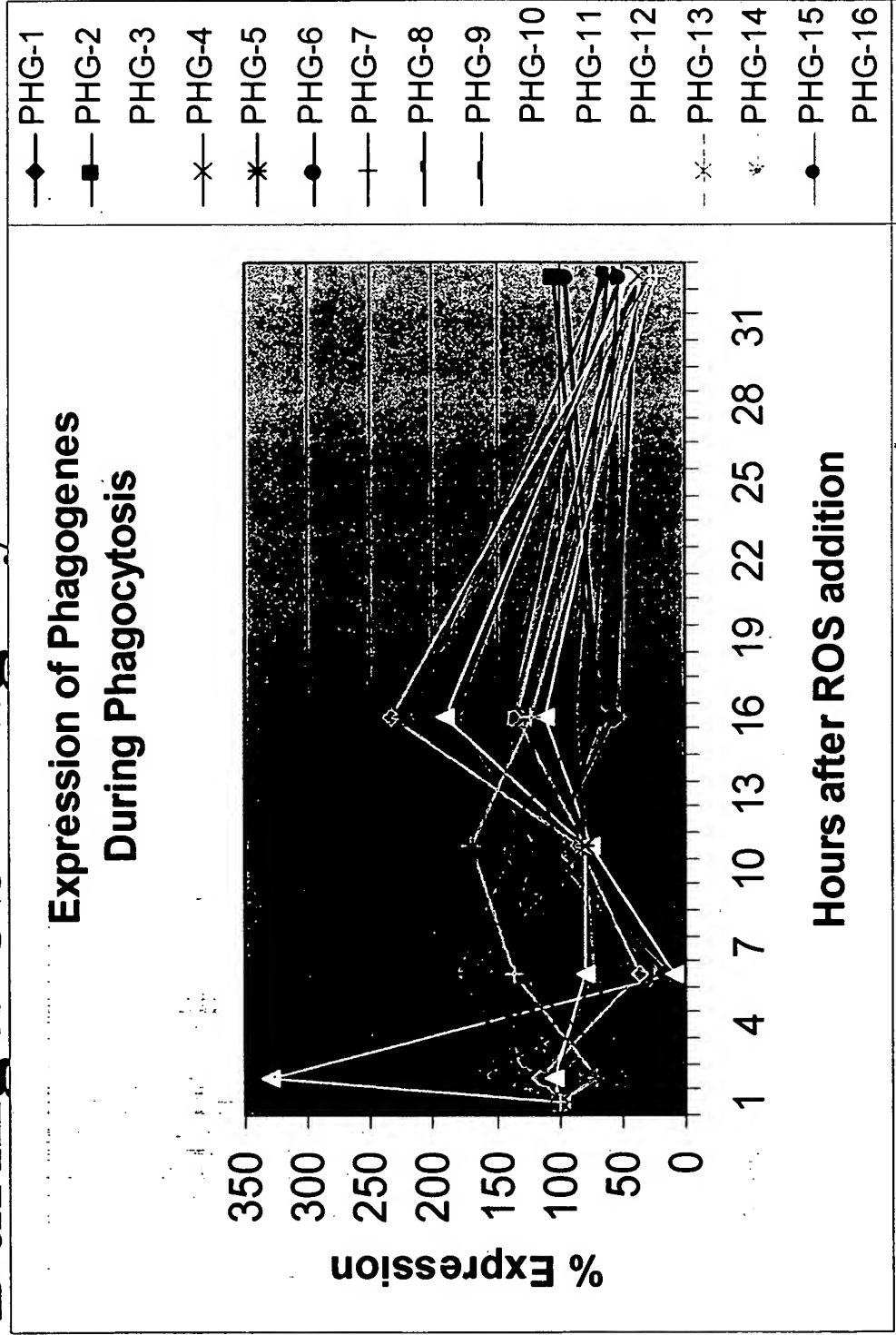
# Synchronous ROS Binding and Ingestion by BPEI-1 Immortal RPE Cell Line



BPEI-1 cells showing ROS binding (5-9 hr) and ingestion (11-22 hr).

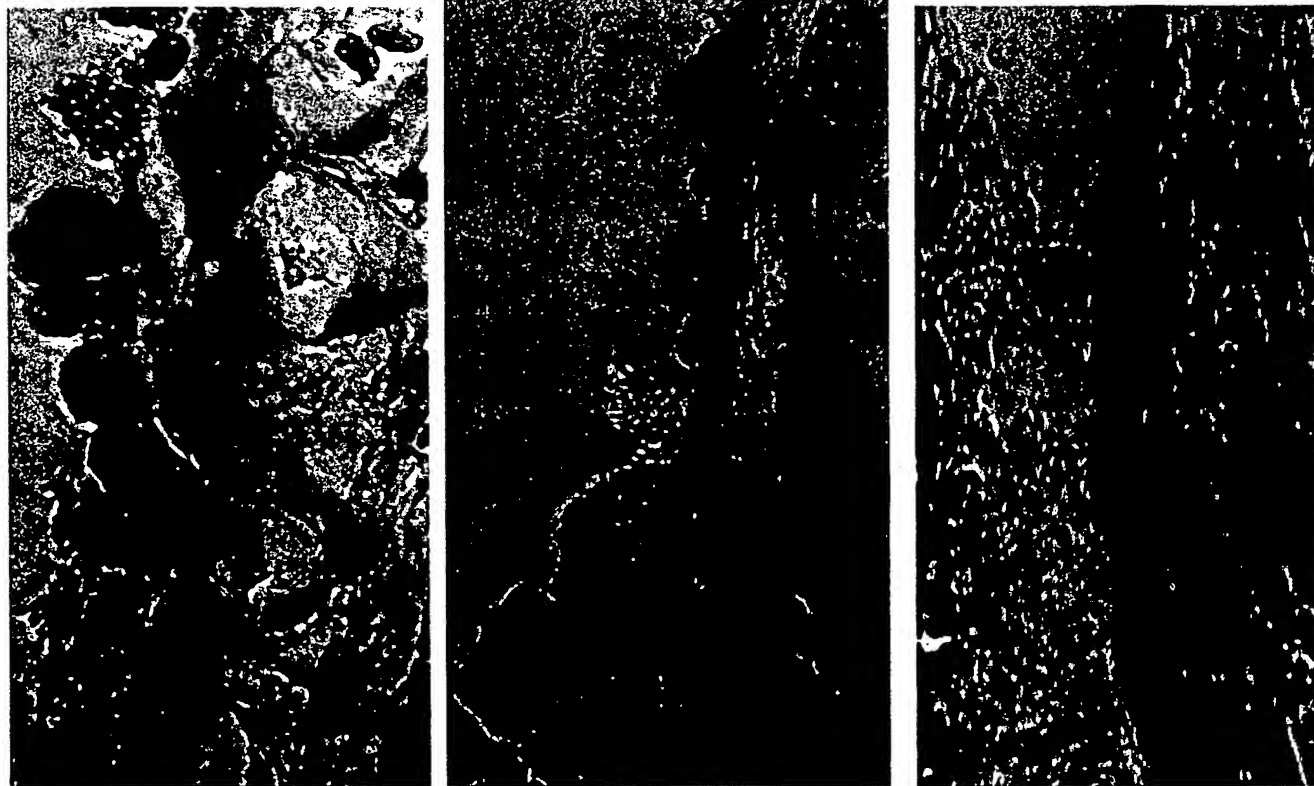
Fig. 3

# Multi-Gene Expression Profile During ROS Phagocytosis in Vitro



**Fig. 4**

# Grading of Eyes with AMD-related Changes



Severity

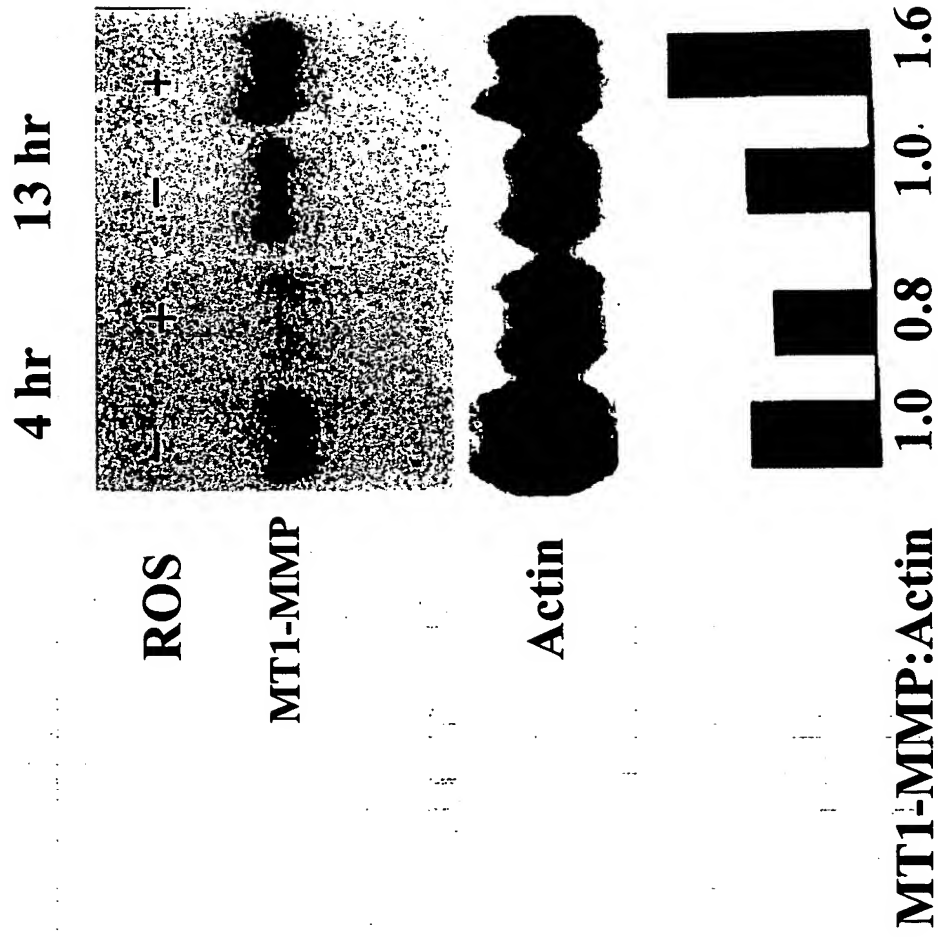
+3 - +4

+2 - +3

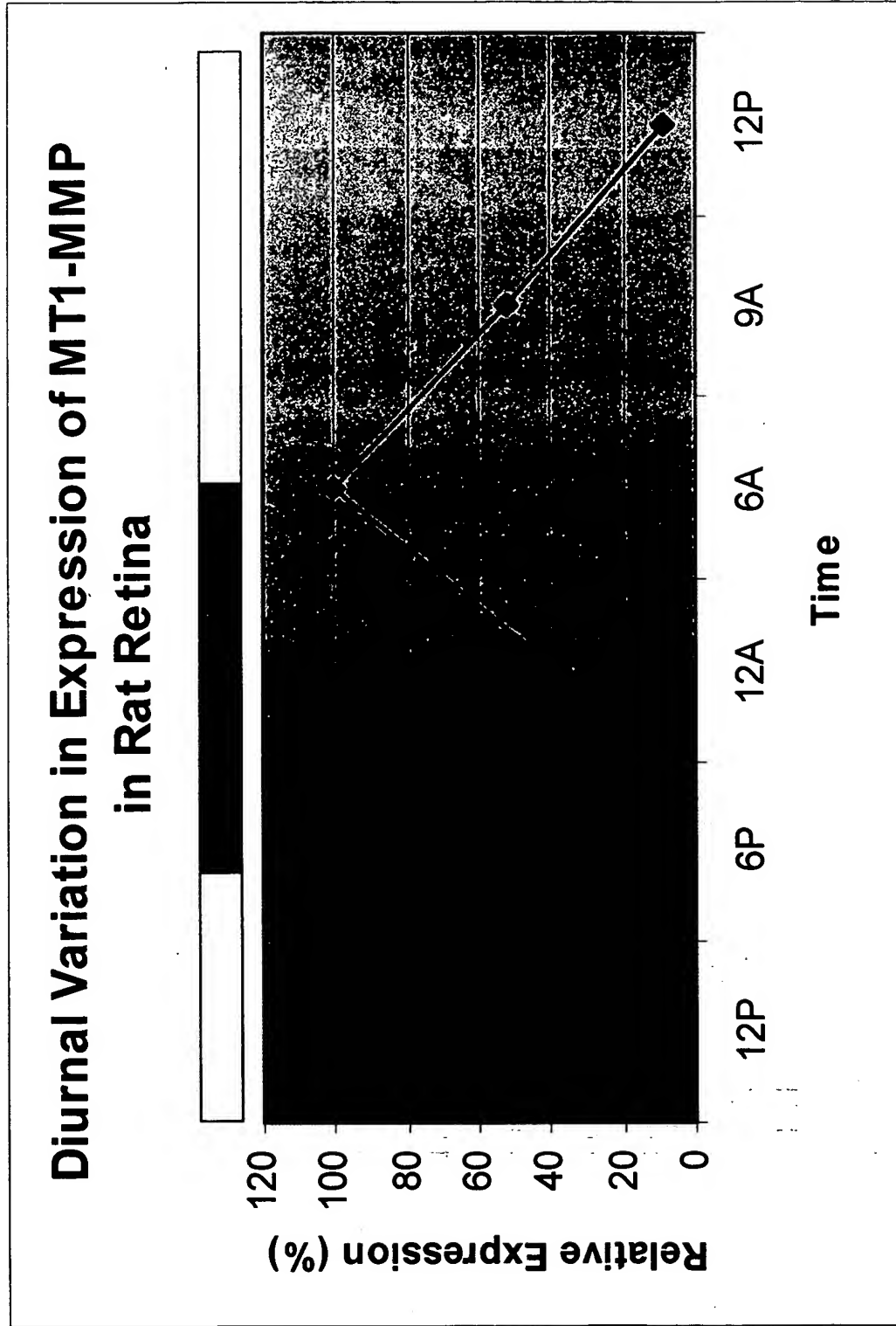
0 - +1

Fig. 5

# Northern Blot Analysis of MT1-MMP Expression During ROS Phagocytosis by RPE Cells



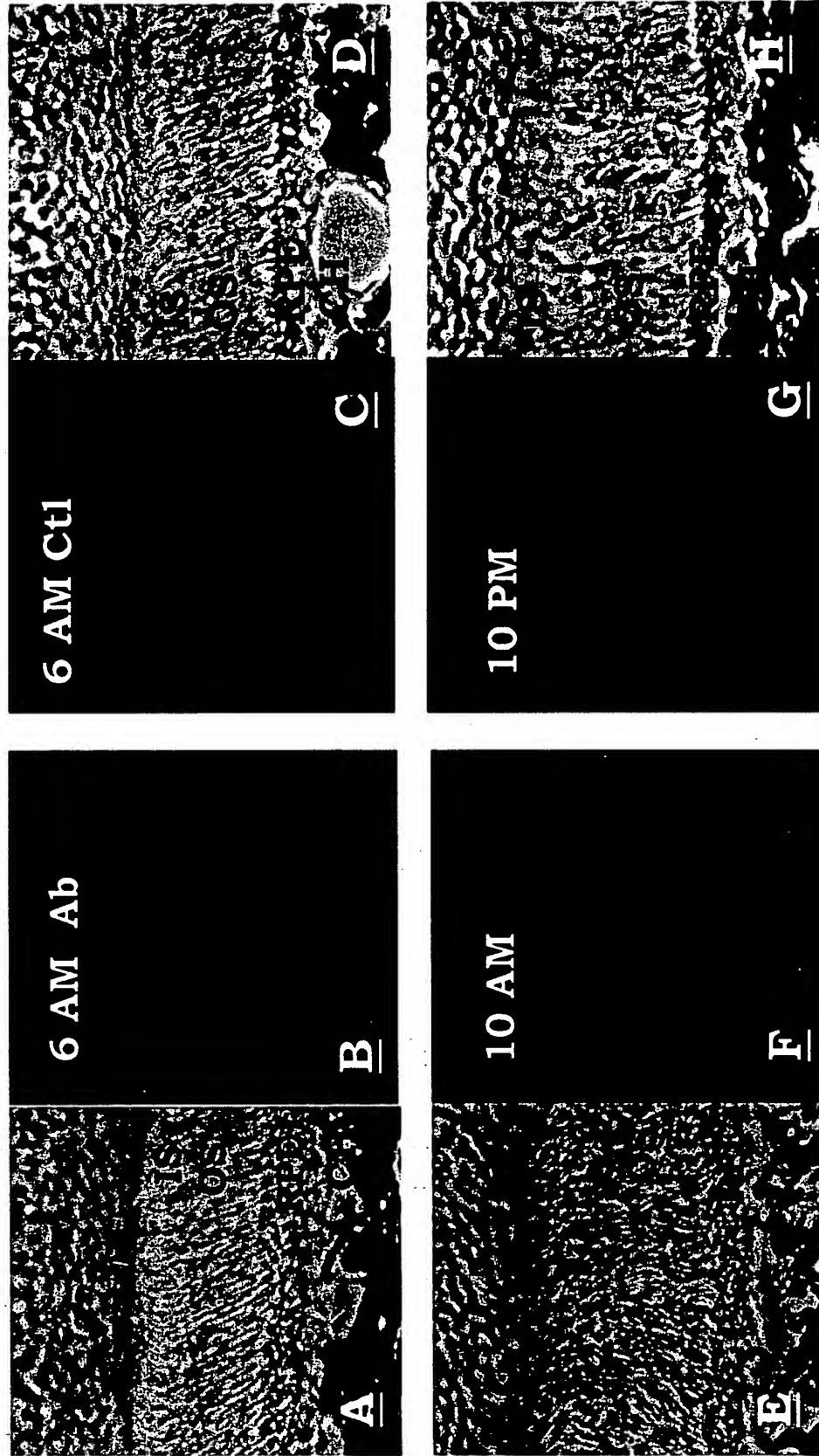
**Fig. 6**



**Fig. 7**



# Diurnal Variation in Immunostaining of Rat Retina with MT1-MMP Antibody



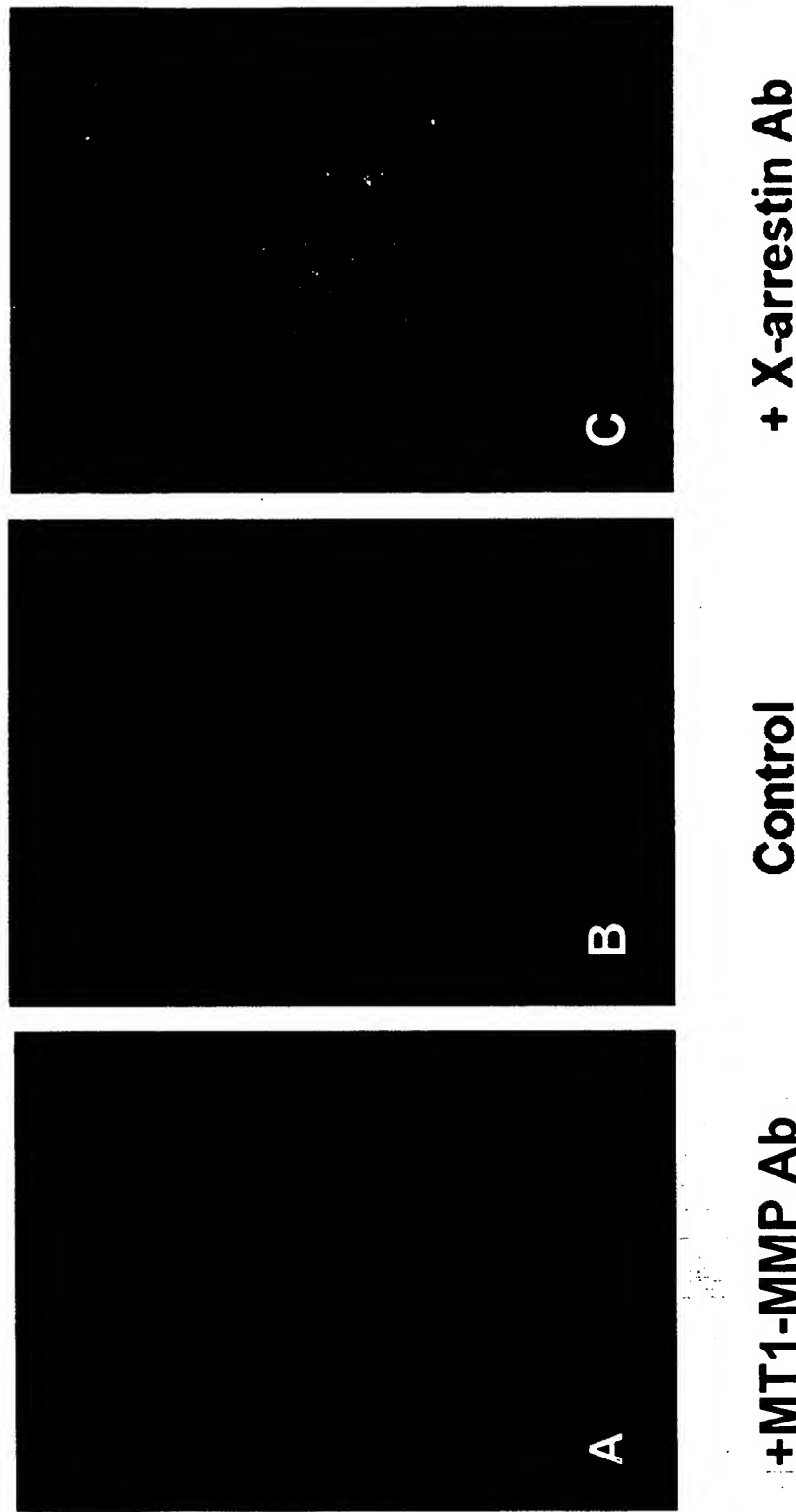
**Fig. 8**

# Immunostaining of Rod and Cone OS and Phagosomes with MT1-MMP Antibody



**Fig. 9**

# Effect of MT1-MMP Antibody on ROS Phagocytosis by Cultured RPE Cells



**Fig. 10**

# Effect of Intraocular Injection of MT1-MMP Antibody on Outer Retina of the Rat

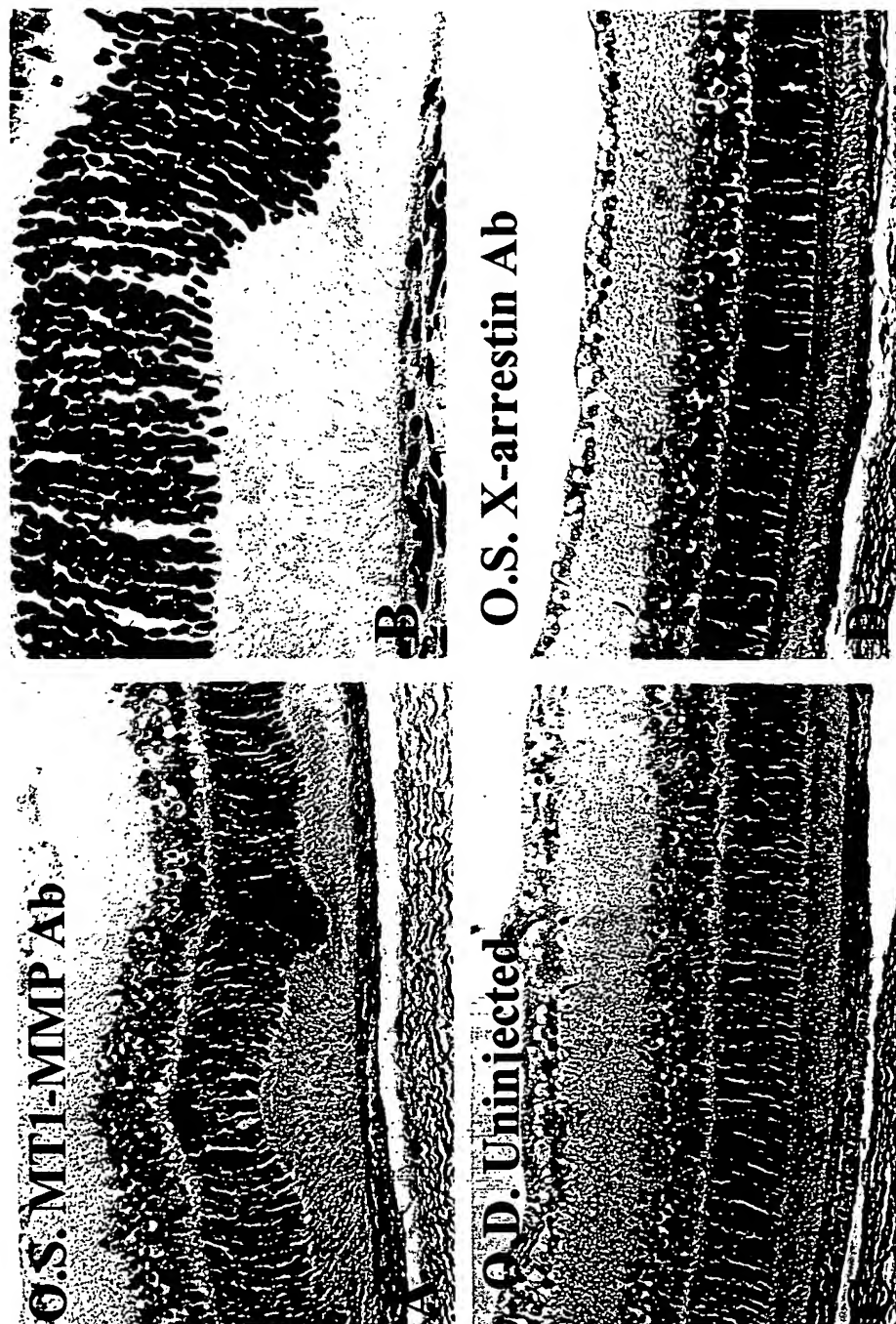
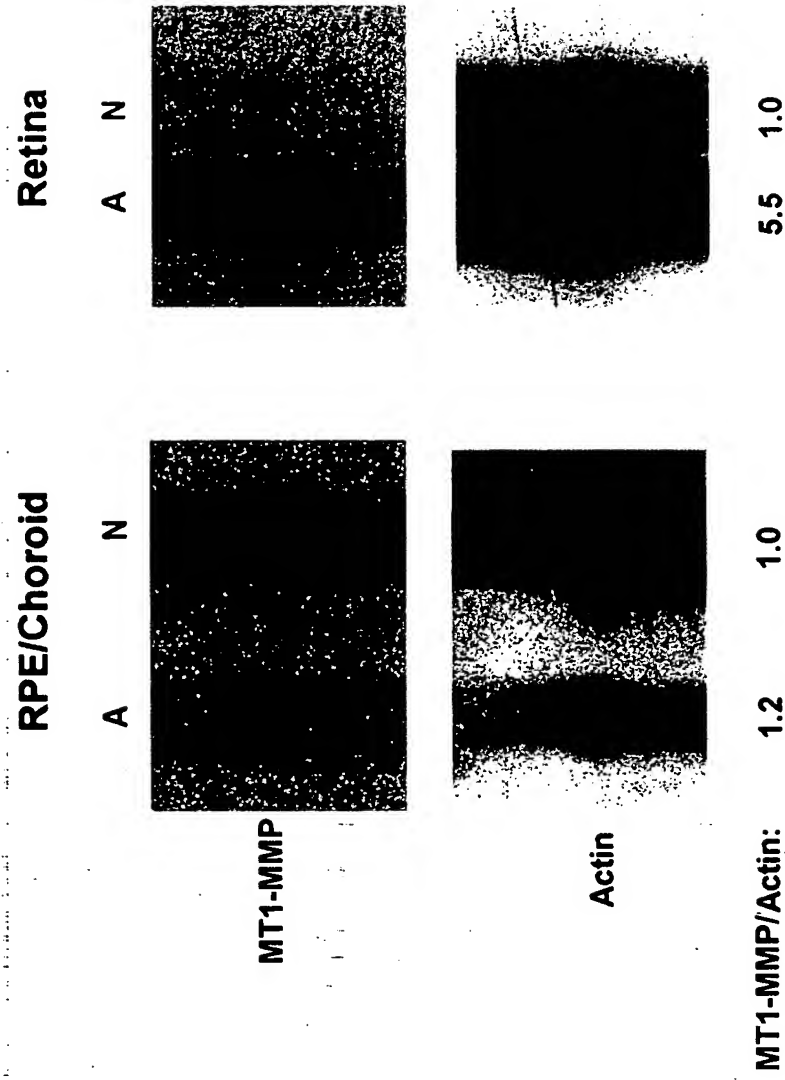


Fig. 11

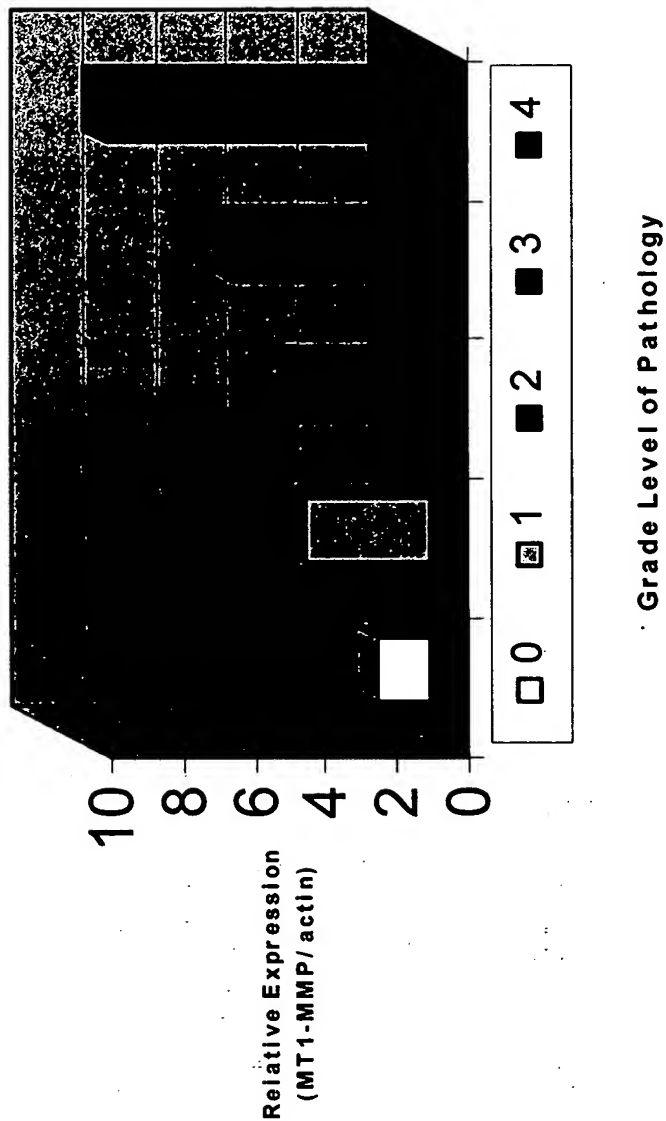
# Northern Blot Analysis of MT1-MMP Expression in AMD-Affected and Normal Eyes

George INANA et al.  
METHODS AND COMPOSITIONS FOR  
TREATING RETINAL DISEASES  
Atty. Docket No.: 39532-192229  
Pages 12 of 15



**Fig. 12**

**MT1-MMP Expression in Human Retina: Relationship to Age-related Change**



**Fig. 13**

**MT1-MMP Exon 5 PCR product (SEQ ID NO:59)**

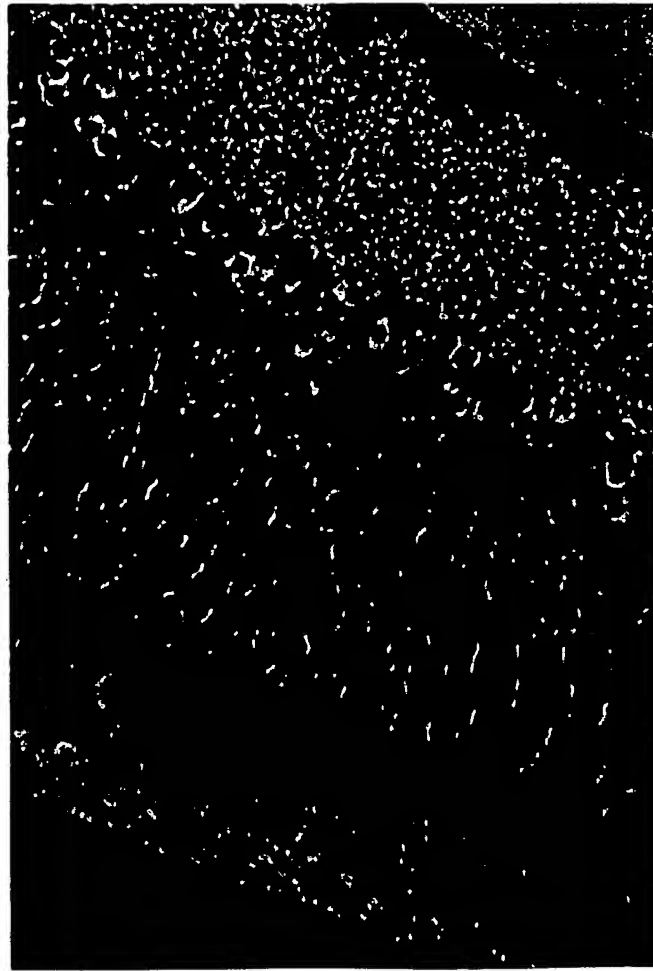
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51  CCAGGAAATG ACATCTTCCT GGTGGCTGTG CACGAGCTGG GCCATGCCCT
101 GGGGCTCGAG CATTCCAGTG ACCCCTCGGC CATCATGGCA CCCTTTTACC
      codon 259
151 AGTGGATGGA CACGGAGAAT TTTGTGCTGC CCGATGATGA CCGCCGGGGC
      codon 273
201 ATCCAGCAAC TTTATGGCGA GTAGTCTACA CCCACGCCCTG CTCCTCCTC
251 TGCTGCTTGT TCCCTCCTGG TCTACGCATT TCCCC
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Fig. 14

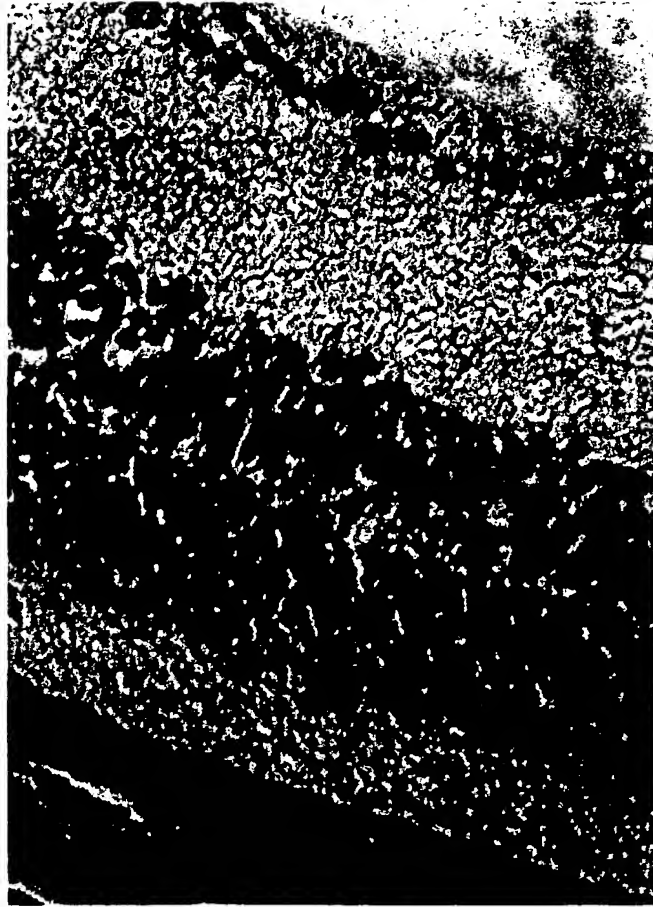
# Injection of MT1-MMP Ab into RCS Eye

1 mo after injection

uninjected



A



B

Fig. 15